

ESA Space Radiation Reports

Cologne, July 6, 2009

Co-chair: Angerer O and Durante M

13:30-13:50	Angerer O , and Durante M (Noordwijk, The Netherlands) <i>The ESA IBER Program</i>
13:50-14:00	Lineva N, Kozhuharov C , Krämer M, Hagmann S, Durante M, and Kraft G (Darmstadt, Germany) <i>Low-Energy Electrons from Collision of Ions with Solids</i>
14:00-14:10	Berger T , Baumstark-Khan C, Hellweg CE, Reitz G, Hajek M, Bilski P, Burmeister S, Palvalfi J, Hager L, and Sihver L (Cologne, Germany) <i>Ground Based Radiation Field Simulation of the MATROSHKA Experiment: Physical and Biological Experiments for Radiation Risk Assessment</i>
14:10-14:20	Iliakis G (Essen, Germany) <i>Studies on the role of backup pathways of non-homologous end joining in heavy ion carcinogenesis</i>
14:20-14:30	Anderson JA, Harper JV, Löbrich M, and O'Neill P (Oxford, United Kingdom) <i>An Assessment of the Effects of Radiation Quality on the Interplay Between Extracellular Signaling Pathways and DNA Repair</i>
14:30-14:40	Lambert CA , Baatout S, Vanoostveldt P, Meesen G, Benotmane R, D'Agostino E, Fouquaert E, Nussgens BV and Colige C (Liege, Belgium) <i>The CORALS Project: Simulated COsmic Radiations and ALternative Splicing</i>
14:40-14:50	Roth B, Fournier C, Löbrich M, and Thiel G (Darmstadt, Germany) <i>Up-regulation of K⁺ Channel by Radiation</i>
14:50-15:00	Sattler UGA, and Müller-Klieser W (Mainz, Germany) <i>Radiation-induced Mucositis as a Risk of Extended Space Flights: Model Studies Using Heavy Ion-irradiated Organotypic Cultures</i>

15:30-15:40	<p>Lau P, Hellweg CE, Baumstark-Khan C, Möller R, Stehle P, Frings-Meuthen P, Reitz G and Heer M (Cologne, Germany) <i>Osteoblastic and Osteoclastic Cell Culture Model Systems in Response to Space Relevant Doses of Ionizing Radiation and the Potential of Radioprotective Nutrient Supplements as Countermeasures (OSIRIS)</i></p>
15:40-15:50	<p>Layer PG, Frohns F, and Fournier C (Darmstadt, Germany) <i>Effects of Heavy Ionizing Radiation on Development and Degeneration of Vertebrate Photoreceptors and Their Protection by Cytokines, as Analysed in 2D and 3-Dimensional Cell Culture Models</i></p>
15:50-16:00	<p>Miccoli L, Angulo-Mora J, Sabatier L, and Ricoul M (Fontenay aux Roses, France) <i>Germ-Cell Mutagenesis in Mice Following Heavy-ion radiation exposure</i></p>
16:00-16:10	<p>Rodemann HP and Dittmann K (Tübingen, Germany) <i>Prevention of Genotoxic and Carcinogenic Effects of Cosmic Radiation by Use of the Radioprotector O-phospho-L-tyrosine (pTyr)</i></p>
16:10-16:20	<p>Müller M, Merz F, Durante M, Seifert V, Rieger J, Mittelbronn M, Harter P, Mishustin I, Pshenichnov I, Rödel F, Hansmann ML, Stöcker H, Schopow K, Taucher-Scholz G, and Bechmann I (Frankfurt, Germany) <i>Tissue slice cultures from humans or rodents: a new tool to measure biological effects of heavy ions</i></p>
16:30-17:30	CLOSED SESSION